

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

- 1 1. (Original) A method of mounting a fiber optic unit to a photosensor, the method comprising the steps to:
 - 3 mounting the photosensor to a first carrier;
 - 4 bonding a first end of the fiber optic unit to the photosensor to create a joint between
 - 5 the fiber optic unit and the photosensor;
 - 6 mounting a second end of the fiber optic unit to a second carrier; and
 - 7 compressing the joint between the fiber optic unit and the photosensor to strengthen
 - 8 the bond between the fiber optic unit and the photosensor.
- 1 2. (Original) The method of claim 1, further comprising the step of aligning an optical axis of the fiber optic unit with an optical axis of the photosensor.
- 1 3 (Original) The method of claim 2, further comprising the step of applying a pressure along the optical axis of the fiber optic unit.
- 1 4. (Original) The method of claim 2, further comprising the step of applying a pressure along the optical axis of the photosensor.
- 1 5. (Currently Amended) The method of claim 1, further comprising the step of applying the_a pressure to a side of the first carrier.
- 1 6. (Original) The method of claim 2, further comprising the step of applying a flexible backing along the optical axis of the photosensor.

1 7. (Currently Amended) The method of claim 6, further comprising the step of
2 applying ~~the~~ a pressure to the flexible backing.

1 8. (Original) The method of claim 6, further comprising the step of compressing the
2 flexible backing.

1 9. (Original) The method of claim 6, further comprising the step of applying at least
2 one compression force to the flexible backing.

1 10. (Original) A device for mounting a fiber optic unit to a photosensor, the device
2 comprising:

3 a photosensor mounted to a first carrier;

4 a fiber optic unit coupled to the photosensor to create a joint between the
5 photosensor and the fiber optic unit; and

6 a force applying means coupled to the photosensor and the fiber optic unit for
7 applying a compression force to the joint. *substantially in an axial direction of the fiber optic unit*

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1 11. (Original) The device of claim 10, wherein the force applying means includes a
2 second carrier mounted to the fiber optic unit.

1 12. (Original) The device of claim 10, wherein the force applying means includes a
2 flexible backing coupled to the first carrier.

1 13. (Original) The device of claim 10, wherein the force applying means includes a
2 spring.

1 14. (Original) The device of claim 13, wherein the spring presses the flexible
2 backing against the first carrier.~~15. (Original) The device of claim 12, wherein the flexible~~
4/18/05 3 ~~backing is formed from a paste material.~~

JD 1 15. (Original) ~~the deice of claim 12, wherein the flexible backing is formed from a~~
4/18/05 2 ~~device~~
 paste material.

1 16. (New) A device for mounting a fiber optic unit to a photosensor, the device
2 comprising:

3 a photosensor mounted to a carrier;
4 a fiber optic unit bonded to the photosensor at a joint between the photosensor and
5 the fiber optic unit; and

JD 6 a force applying apparatus coupled to the photosensor and the fiber optic unit for
4/18/05 7 ~~substantially in an axial direction of the fiber optic unit~~
 applying a compression force to the joint.

1 17. (New) The device for mounting of claim 16, wherein the force applying
2 apparatus includes a spring and a flexible layer between the spring and the photosensor.

1 18. (New) A method of mounting a fiber optic unit to a photosensor, the method
2 comprising the steps of:

3 mounting the photosensor to a carrier;

4 bonding a first end of the fiber optic unit to the photosensor at a joint between the
5 fiber optic unit and the photosensor; and

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4/18/05 6 compressing the joint between the fiber optic unit and the photosensor.
substantially in an axial direction of the fiber optic unit

1 19. (New) The method of mounting of claim 18, further comprising the steps of
2 aligning an optical axis of the fiber optic unit with an optical axis of the photosensor and
3 applying pressure along at least one of the optical axis of the fiber optic unit and the optical
4 axis of the photosensor.